

**Training and Education**

# **Road Map**



*The road to success for*  
**Light Armored Vehicle  
Mechanic**  
**MOS: 2147 to 2149**



# TRAINING AND EDUCATION

## CONTINUUM

### What is a Training and Education (T&E) Continuum?

T&E Continuums were developed to provide a roadmap for the training and education of Marines in their military occupational specialty (MOS). The goal of the T&E Continuum is to develop the best possible Marine, whether it is a first term or career Marine.

### What is a T&E MOS Roadmap?

MOS Roadmaps are just what the name implies - a roadmap through the T&E Continuum from Private through MGySgt/SgtMaj - a roadmap to success in the Marine Corps.

### Do I have to follow the Roadmap?

Yes and no. The roadmap has four major sub-areas:

- Skill Progression (MOS)
- Common Skills & Professional Military Education (PME)
- Billet Progression & Unit Training
- Voluntary Education (VolEd)

Some of the training is mandatory, for example entry-level training (Boot Camp, MCT, MOS School, etc...). Some may be directed by your chain of command and some is voluntary. We recommend you find a mentor that can help you along the way, or you can seek assistance from your OIC/SNCOIC. Roadmaps are a guide, but as always there are several ways to get where you want to go.

### What does the roadmap do for me?

Two things:

1. Provides you a guide to success as a Marine and towards technical mastery.
2. Provides you with an education that will transfer to civilian life when you decide to leave the Marine Corps.

### How do I get started?

You already have. All your training up to this

As we mentioned earlier roadmaps have four major sub-areas that we will briefly explain here.

**Skills Progression Training** is training that will make you a better Marine in your MOS. It is a combination of formal schools, Marine Corps Institute (MCI) courses, National Standard Certification testing, and civilian education that develops your technical proficiency. It is progressive in that you will learn things as you need them and can apply them to your billet and mission.

**Common Skills and PME.** This is training that makes you a better Marine. PME requirements are already well established in the Marine Corps. It consists of resident courses, MCIs and required reading. The Corporal's Course, Sergeant's Course, etc... are not mandatory, but it is important for your career and growth as a leader to attend. These courses are designed to teach you what you need to know to be a Cpl or Sgt, so you should attend as soon as, or before, you are promoted.

### Billet Assignment and Unit

**Training** is hands-on experience; there is no better training. Billet progression provides you with the opportunity to develop by accepting new, more demanding responsibilities and performing new, more difficult tasks. Unit training as prescribed in the Training & Readiness (T&R) manual focuses on the skills you need to accomplish in your MOS that require a collective effort and aids the commander in preparing his unit for combat operations.

**Voluntary Education** was designed to provide you an uncomplicated way to complete a degree while making you a better Marine. The three major considerations of the VolEd roadmap was class availability (especially while deployed), use of free electives, and education required as you progress in rank and billet assignments.



2147 Road Map

# Private - PFC

**1st**

**Year**

## SKILL PROGRESSION TRAINING

(ACE Identifier)

### ACE Recommended Credit

- LAV Basic Course<sup>(1)</sup> (MC-1710-0049) 3 SH Heavy Eqpt Maint
- MCI (1321) Diesel Engines<sup>(1)</sup> (MC-1712-0010) 2 SH Diesel Engines
- MCI (0338) LAV Crewman<sup>(1)</sup> (MC-1710-0055) 3 SH

## Automotive Fundamentals TRAINING / PME

**ACE**

### Enroll Unified Services Military Apprenticeship Recommended Credit

- Recruit Training (USMAP) (0023M) or (MC-1710-0089) SH PhysFit (2) Marksmanship (1) Orienteering 4 SH (1)
- Marine Combat Training<sup>(1)</sup> (MC-2204-0105) 3 SH Military Skills
- MCI (3420E) Personal Financial Mgmt (MC-1401-0009) 1 SH Financial Management
- MCI (0210B) Terrorism for Marines (MC-1606-0010) 1 SH Intro to Terrorism

## BILLET ASSIGNMENT / UNIT TRAINING

0 SH

- Complete Fan Belt Qualification in MCMAI<sup>(1)</sup>
- Mechanic with Division or FSSC Unit
- Complete Military Academic Skills Program (MASP) - if required
- Unit training should focus on the collective events established in the Training & Readiness Manual for this specific grade

## VOLUNTARY EDUCATION

## ACE Recommended

### Credit

- \* College Algebra 3 SH Math
- \* Speech 101 3 SH Oral

Communications

\* Denotes College Courses

**Credit Tally for:  
(<sup>(1)</sup>) Denotes Entry-Level Training  
Applied Science "Technical Studies" Associates Degree**

<b>Arts and Sciences Electives 30 SH Minimum</b>			<b>Applied Professional</b> 30 SH Maximum a.k.a. (Free Electives)
Humanities	Social Sciences/History	Natural Science/Math	
(3) * Speech 101		(3) * College Algebra	(3) Hvy Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt (1) Terrorism
(3) Total	(0) Total	(3) Total	(16) Total

# PFC-LCpl

— 2nd Year —



2147 Road Map

## SKILL PROGRESSION TRAINING

### ACE Recommended Credit

- MCI (3515B) Automotive Brake System  
SH Hyd/Pneumatic Brakes (MC-1703-0033) 2
- MCI (359F) Automotive Power Trains  
SH Power Train Repair (MC-1703-0022) 2
- MCI (0410B) MIMMS (MC-1717-0011) 0 SH

Complete 1000 hours in USMAP / PME (1000 hours Total)

### Recommended Credit

- MCI (0033) Fundamentals of M.C. Ldrshp (MC-1406-0023) 1
- SH Supervisory management
- MCI (3316E) Basic Nutrition (MC-1729-0041) 1 SH
- Nutrition
- Complete Gray Belt Qualification in MCMAP 0 SH

### BELT ASSESSMENT UNIT TRAINING

- Mechanic with LAR, Maintenance or Combat Assault Battalion
- Deploy if possible
- Special duty - LCpls may apply for Marine Security Guard
- Unit training should focus on the collective events established in the Training & Readiness Manual for this specific grade

## VOLUNTARY EDUCATION

### Credit

- \* Psychology 101 3 SH Psychology
- \* English 101 3 SH English
- \* Computer Science 3 SH Computer Science

### ACE Recommended

### **Credit Tally for:**

### **Applied Science "Technical Studies" Associates Degree**

Arts and Sciences Electives 30 SH Minimum			Applied Professional	
Humanities	Social Sciences/History	Natural Science/Math	30 SH Maximum a.k.a. (Free Electives)	
(3) * Speech 101 (3) * English 101	(3) * Psychology	(3) * College Algebra	(3) Hvy Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt	(1) Terrorism (2) Hyd Brakes (MCI) (2) Power Trains (MCI) (1) Supervisory Mgmt (1) Nutrition (3) * Computer Science
(6) Total	(3) Total	(3) Total	(25) Total	

# LCpl-Cpl

— 3<sup>rd</sup> Year —



## SKILL PROGRESSION TRAINING

### ACE Recommended Credit

- MCI (3525B) Auto Fuel & Exhaust Sys  
SH Diesel Fuel Systems (ACE Identifier)  
(MC-1703-0031) 2
- MCI (3513B) Cooling/Lubrication Sys  
SH Lubrication/Cooling (MC-1703-0037) 2
- COMMON SKILLS TRAINING / PME**  
Complete an additional 1000 hours in USMAP (ACE Recommended Credit) (2000 hours total)
- Complete the Corporal's Course (Resident) (MC-1405-0051) 4
- SH (3) Management (1) Mil Stud
- MCI (3422A) Basic Pay and Allowances (MC-1401-0016) 1
- SH Finance
- MCI (001A) Principles Instruction f/NCOs (MC-1406-0028) 3 SH
- Instructional Methodology
- MCI (0335C) Infantry Patrolling (MC-2204-0136) 1 SH Physical Education

**BILLET ASSIGNMENT / UNIT TRAINING**  
Mechanic with LAR, Maintenance or Combat Assault Battalion - at this point you may Complete Green Belt Qualifications 0 SH

- Read 2 books from the Marine Reading List
- Want to submit an AA Form to move from your current unit to a unit performing another level of maintenance. For example, from LAR to Maintenance Battalion or vice versa.

- Special Duty - you may apply for Marine Security Guard Duty
- Unit training should focus on the collective events established in the

### TRAINING & EDUCATION CREDIT

Readiness Manual for this specific grade

- \* US History I 3 SH History
- \* Intro to Statistics 3 SH Math
- \* Political Science 3 SH Political Science

### Credit Tally for:

## Applied Science "Technical Studies" Associates Degree

Arts and Sciences Electives 30 SH Minimum			Applied Professional	
Humanities	Social Sciences/History	Natural Science/Math	30 SH Maximum a.k.a. (Free Electives)	
(3) * Speech 101 (3) * English 101	(3) * Psychology (3) * History I (3) * Political Science	(3) * College Algebra (3) * Intro to Statistics	(3) Hyd Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt (1) Terrorism (2) Hyd Brakes (MCI) (2) Power Trains (MCI)	(1) Supervisory Mgmt (1) Nutrition (3) Computer Science (2) Auto F&E Systems (2) Lubrication (MCI) (3) Management (1) Military Studies (1) Finance (3) Instructional Methods
<b>(6) Total</b>	<b>(9) Total</b>	<b>(6) Total</b>	<b>(37) Total</b>	

2147 Road Map



# Cpl - Sgt

**4th Year**

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## SKILL PROGRESSION TRAINING

### Recommended Credit

- MCI (3580A) Automotive Eng Maint  
Engine Repair
- MCI (1343) Diesel Eng Maint/T-shooting

(ACE Identifier)

**ACE**

(MC-1703-0039)

2 SH

(MC-1712-0007)

0 SH

300 hours total

## COMPLEX SKILL TRAINING COURSE

### Recommended Credit

- MCI (8010) Sergeant's DEP Science, (2) Mgmt (1) Lang
- MCI (028B) Intro to Combat Intelligence Intelligence
- MCI (0201) Intel Brief: Southwest Asia International Studies
- Complete Green Belt Instructor Course Martial Arts Instructor

(MC-2204-0127)

8 SH (5) Mil

(MC-1606-0009)

1 SH

(MC-1511-0001)

2 SH

(MC-1406-0048)

3 SH

## BILLET ASSIGNMENT / UNIT TRAINING

- Read 2 books from the Marine Reading List
- Try to move into a maintenance management function such as publications If you plan to reenlist you should see your career planner as early as NCO Tool Room possible NCO and so on.
- If you plan to get out you must attend TAP classes
- Special duty - as a Sgt you may apply for Drill Instructor, Recruiter or Marine Security Guard duty.

## VOLUNTARY EDUCATION

Training & ACE Recommended Credit

- \* Natural Science Elective W/Lab 4 SH Natural Science
- \* US History II 3 SH History
- \* Government 3 SH Government

### **Credit Tally for:**

### **Applied Science "Technical Studies" Associates Degree**

Arts and Sciences Electives 30 SH Minimum			Applied Professional	
Humanities	Social Sciences/History	Natural Science/Math	30 SH Maximum a.k.a. (Free Electives)	
(3) * Speech 101 (3) * English 101 (1) Language	(3) * Psychology (3) * History I (3) * Political Science (2) International Studies (3) * History II (3) * Government	(3) * College Algebra (3) * Intro to Statistics (4) * Natural Science Elective W/Lab	(3) Hvy Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt (1) Terrorism (2) Hyd Brakes (MCI) (2) Power Trains (MCI) (1) Supervisory Mgmt (1) Nutrition	(3) * Computer Science (2) Fuel Systems (MCI) (2) Lubrication (MCI) (3) Management (1) Military Studies (1) Finance (3) Instructional Methods (2) Engine Repair (5) Military Science (2) Management (1) Intelligence (3) Martial Arts Inst
(7) Total	(17) Total	(10) Total	(50) Total	

**\*\*This completes requirements for an Associates in Applied Science as prescribed by a SOCMAR School\*\***



# Sergeant

5<sup>th</sup>-7<sup>th</sup>

Year

## SKILL PROGRESSION TRAINING

### Recommended Credit

- Attend the LAV Technicians Course (3) Hvy Equip (1) Shop Mgmt
- MCI (0414A) Grnd Maint Mgmt f/Supers Management
- MCI (286G) Fundamentals Digital Logic

## COMMON SKILLS TRAINING / PME

Digital Electronics

- MCI (286G) Solid State Devices (MC-1715-0132)
- Attend resident Sergeant 2000 hours in USMAP (MC-2204-0133) (2000 hours total)
- MCI (7100) SNCO Career DEP Science (1) Ldrshp
- MCI (8017) Weapons Crs.)

## BILLET ASSIGNMENT / UNIT TRAINING

- MCI (0344G) Operations Guerilla Units
- Maintenance Section Leader at LAR, Maintenance Battalion or Combat Assault Battalion.
- Read 2 books from the Marine Reading List.
- Special duty - as a Sgt or SSG you may apply for Drill Instructor, Formal School Instructor, Recruiter or Marine Security Guard duty.

- Unit training should focus on the collective events established in the

## Training & EDUCATION

### Credit

- \* Technical Writing
- \* Life Span Development
- Psychology
- \* Pre-Calculus
- \* Educational Psychology
- Psychology
- \* Logistics Engineering
- \* Literature
- Literature
- \* Organization Behavior

### ACE Recommended

3 SH English
3 SH
3 SH Math
3 UL SH
3 UL SH Logistics
3 UL SH

### Credit Tally for:

## Bachelor of Science/Liberal Arts Degree

Arts and Sciences Electives 60 SH Minimum (11 History Elective (21 Upper Level)			Applied Professional 60 SH Maximum (9 Upper Level) a.k.a. (Free Electives)					
Humanities	Social Sciences/History	Natural Science/Math	(3) * Speech 101 (3) * English 101 (1) Language (3) * Tech Writing (3) * UL Literate	(3) * Psychology (3) * History I (3) * Political Science (2) International Studies (3) * History II (3) * Government (3) * Psychology (3) * Educ Psychology (3) * UL Psychology (3) * UL History	(3) * College Algebra (3) * Intro to Statistics (4) * Natural Science Elective W/Lab	(3) Hvy Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt (1) Terrorism (2) Hyd Brakes (2) Power Trains (1) Super Mgmt (1) Nutrition	(3) * Comp Science (2) Fuel Systems (2) Lubrication (3) Management (1) Military Studies (1) Finance (3) Instructional Methods (2) Engine Repair (5) Mil Science (2) Management (1) Intelligence	(3) Martial Arts (3) Hvy Equip (1) Shop Maint (1) Mgmt (2) Digital Elec (2) Electronics (3) Mil History (3) Mil Science (1) Leadership (3) Mil Science (3) * UL Logistics
(13) Total	(29) Total	(10) Total	(71) Total					

2147 Road Map

**8<sup>th</sup>-13<sup>th</sup>**

**Year**

# **Staff Sergeant**

## **SKILL PROGRESSION TRAINING**

**(ACE Identifier)**

**ACE**

### **Recommended Credit**

- MCI (2100) Advanced Supervisor's Course Yet to be developed
- MCI (345C) Logistics/Embark Specialist Management (MC-1408-0030)
- MCI (301N) Basic Warehousing Distribution (MC-1405-0046) 1 SH Physical
- MCI (3412) Field Budget Formulation (MC-1401-0011) 1 SH Finance

### **COMMON SKILLS TRAINING / PME**

**(800 hours total)**

### **RECONTACT Base Education Office to finalize apprenticeship documentation**

- Attend SNCO Career Course (Resident) (MC-2204-0074) 9  
SH (6) Mil Stud, (2) Ldrshp

(1) Physical Fitness

### **BUDGET ASSIGNMENT / UNIT TRAINING**

- MCI (3200) SNCO Advanced DEP (MC-1401-0142) 3 SH Military Science  
Reading 2 books per year from the Marine Reading List

- Maintenance Section Leader at IAR Maintenance Battalion or Combat Assault Battalion.

- Special duty - as a SSgt you may apply for Drill Instructor, Formal School Instructor, Recruiter or Marine Security Guard duty.

- Unit training should focus on the collective events established in the

### **Training & Readiness**

### **ACE Recommended Credit**

- Many of these can be completed through the program and/or continue with the following courses:

- \* Business Writing (EN 306) 3 UL SH Language
- \* Ethics 3 UL SH Humanities
- \* Social Science/History Elective 3 UL SH Social
- Science/History
- \* Logistics Management 3 UL SH Logistics
- \* Natural Science/Math Elective 3 UL SH Natural
- Science/Math

**Credit Tally for:**

**Bachelor of Science/Liberal Arts Degree**

<b>Management Elective</b> <b>Arts and Sciences Electives 60 SH Minimum (21 Upper Level)</b>			<b>SOC MAR Management</b> <b>Applied Professional 60 SH Maximum (9 Upper Level)</b> a.k.a. (Free Electives)		
Humanities	Social Sciences/History	Natural Science/Math			
(3) * Speech 101 (3) * English 101 (1) Language (3) * Tech Writin (3) * UL Literate (3) * UL Langua (3) * UL Humans	(3) * Psychology (3) * History I (3) * Political Science (2) International Studies (3) * History II (3) * Government (3) * Psychology (3) * Educ Psychology (3) * UL Psychology (3) * UL History (3) * UL Soc Sci/Hist	(3) * College Algebra (3) * Intro to Statistics (4) * Natural Science Elective W/Lab (3) * UL Natural Science/Math Elective	(3) Hvy Equip Maint (2) Diesel Engines (3) Automotive Funds (2) Marksmanship (1) Orienteering (3) Military Skills (1) Finance Mgmt (1) Terrorism (2) Hyd Brakes (2) Power Trains (1) Super Mgmt (1) Nutrition (3) * Comp Science (2) Fuel Systems (2) Lubrication	(3) Management (1) Military Studies (1) Finance (3) Instructional Methods (2) Engine Repair (5) Mil Science (2) Management (1) Intelligence (3) Martial Arts (3) Hvy Equip (1) Shop Maint (1) Mgmt (2) Digital Elec	(2) Electronics (3) Mil History (3) Mil Science (1) Leadership (3) Mil Science (3) * UL Logistics (1) Recs Mgmt (1) Phys Dist (1) Finance (6) Mil Studies (2) Leadership (3) Mil Science (3) * UL Logistics (3) * UL Mgmt
<b>(19) Total</b>	<b>(32) Total</b>	<b>(13) Total</b>	<b>(91) Total</b>		

**\*\*This completes the requirements for a Bachelor of Science/Liberal Arts as prescribed by a SOCMAR school\*\***



2147 Road Map

# Gunnery Sergeant



**13<sup>th</sup>-18<sup>th</sup>  
Year**

## SKILL PROGRESSION TRAINING

### ACE Recommended Credit

- Attend Ground Ordnance Chief's Course  
SH Maint Management

(ACE Identifier)

(MC-1717-0008)

3

## COMMON SKILLS TRAINING / PME

### Credit

- Attend the SNCO Advanced Course  
Mil Science (3) Ldrshp
- MCI (7400) War fighting Skills (DEP)  
Military Studies
- Read 2 books per year from the Marine Reading List

### ACE Recommended

(MC-2204-0076)

13 SH (7)

(2) Phys Fit (1) Public Speaking

(MC-2204-0112)

2 SH

## BILLET ASSIGNMENT / UNIT TRAINING

- Maintenance Chief with Division, FSSG or I&I unit
- Gunnery Sergeants may apply for MSG , Drill Instructor, Recruiter or Formal School Instructor  
(check the ACE guide for recommended college credits for these specific special duty billets)
- Unit training should focus on the collective events established in the Training & Readiness

Manual for this specific grade

## VOLUNTARY EDUCATION

### ACE Recommended Credit

- Listed below are the requirements for a Masters of Science in "Management" degree:
- This roadmap has provided the foundation for entry into a Master's Degree Program, this particular program is available on-line with two weekend residency requirements.
- Recommend application to an Advanced Degreed Completion program, however, if not selected, this degree offers the greatest flexibility that we have found.

\* Organizational Theory and Behavior Management

6 GL SH

\* Human Resource Management

3 GL SH Management

\* Economic Issues in Organizations

3 GL SH Management

\* Organizational Research

3 GL SH

Management

\* Organizational Management and Leadership I

3 GL SH

Management

\*\*This completes the requirements for a Masters of Science in

\*\*"Management" as prescribed by a SOCMAR School\*\*

Management

\* Finance and Accounting for Managers

3 GL SH

Management

\* Professional Leadership Development I (residency)

1 GL SH

Management

2147 Road Map

# Master Sergeant

19<sup>th</sup>-22<sup>nd</sup> Year



2149 Road Map

## SKILL PROGRESSION TRAINING

(ACE Identifier)

ACE

### Recommended Credit

- Attend Marine Logistics Education Program (MCLEP)

## COMMON SKILLS TRAINING / PME

ACE

### Recommended Credit

- Attend the 1stSgt & MSgt seminar
- MCI (8510) Amphibious Warfare School (DEP) Phase I Mgmt

5 SH (3) Mil Stud (2)

(MC-2204-0113)

- MCI (8600) Amphibious Warfare School (DEP) Phase II Stud (2) Mgmt

5 SH UL (3) Mil

(MC-2204-0114)

- Read 2 books per year from the Marine Reading List

## BILLET ASSIGNMENT / UNIT TRAINING

- Ordnance Chief with Division, FSSG, I&I, or a Logistics Depot
- Special Duty recommendations: Senior Marine Instructor/Chief Instructor at a formal school,

Maintenance Analyst at Marine Corps Logistics Chain Analysis Team, Production Chief at

MCCDC or serve as the Occupational Field Monitor

- Unit training should focus on the collective events established in the Training & Readiness

Manual for this specific grade

## VOLUNTARY EDUCATION

## ACE Recommended Credit

- Continue to apply for Advanced Degree Completion and/or continue to pursue masters degree.

# Master Gunnery Sergeant



## SKILLS PROGRESSION TRAINING

(ACE Identifier)

### ACE Recommended Credit

**ACE**

#### COMMON SKILLS TRAINING / PME

##### Recommended Credit

- Attend the SgtMaj & MGySgt Symposium
- Attend Russell Leadership Conference
- MCI (8800) Command & Staff College (DEP) 18 SH UL/GL (3) International Rel

(MC-1408-0025)

(3) Mil Stud (3)

Org Mgmt

(3) Theory of War (3) GL Mil  
(3) GL National Security

History

#### RECOMMENDED ASSIGNMENT / UNIT TRAINING

- Ordnance Chief with MEF, FSSG, Division, FMF Pacific or Atlantic
- Special Duty recommendations: Joint Tour
- Unit training should focus on the collective events established in the Training &

Readiness Manual for this specific grade

#### VOLUNTARY EDUCATION

- Continue to apply for Advanced Degree Completion and/or continue to pursue masters degree

2149 Road Map

# **NOTES FOR READING THE ROADMAP**

## **General Information**

1. Formal Military Schools and MCIs are listed in "BLACK".
2. Lower Level college courses (Freshmen/Sophomore) are listed in "BLUE".
3. Upper level (UL) college courses (Junior/Senior) are listed in Green.
4. American Council on Education (ACE) identifiers gives college and career counselors a reference to validate the recommended credits. The credits listed in this roadmap are current as of 16 January 2004. Updates to these can be found on-line at:  
<http://www.militaryguides.acenet.edu>

## **Skill Progression**

1. In addition to MCIs, and Formal MOS schools, certain MOSs can pass national certification testing: National Institute of Metallurgical Society (NIMS) for machinists, Students Excelling through National Standards of Excellence (SENSE) for welders, Automotive Service Excellence (ASE) for mechanics and technicians, etc...
2. Uniformed Services Military Apprenticeship Program (USMAP) is available to most active duty MOSs and is certified by the U.S. Department of Labor. This would qualify you as a journeyman apprentice which could mean a significantly higher starting salary in the civilian work force.

## **Common Skills/PME**

1. This area covers training which is common to all Marines.

## **Billet Assignment/Unit Training**

1. At division assignments you'll be conducting organizational level maintenance and this will give you a good feel for what it takes to fix equipment with limited time and resources.
2. At FSSG and wing assignments you'll

## **Voluntary Education**

1. The voluntary education listed in the roadmap refers specifically to taking college level courses (MCIs and some PME are also "voluntary").
2. The degree program selected in the roadmap is just an example of one you could pursue. Many others are available through the SOCMAR network and can be found at:  
<http://www.soc.aascu.org/socmar/HandbookM.html> In selecting the degree program for each MOS, lots of things were taken into consideration (i.e. availability of courses on-line, residency requirements, or other types of correspondence, campus locations, allowable credit transfers from non-traditional learning such as testing (CLEP/DANTES), and experiential learning.
3. Testing can replace the requirement to attend most of the college courses listed in the roadmap. Base education centers offer CLEP and DANTES tests for active duty military at no cost. Study guides for testing for most of the courses are also available at the education centers.
4. ASE exams are also available at the education centers. DANTES will pay for active duty military to take 3 exams per semi-annual year (every 6 months). The tests are offered in the spring and fall of every year and do require, at present, a \$31.00 non-refundable registration fee. ASE exams require documentation of two years experience working in the automotive industry. (LAV, Tank, AAV, engineer, and MT mechanics usually fall in this category and USMAP can help to document this experience).
5. Tuition assistance (T/A) currently pays for 100% of college course tuition. Students must pay for books and study guides. Tuition rates at most community colleges are much cheaper than for 4 year universities. You should consider taking most of your lower level courses through them as it saves the Marine Corps a tremendous amount of money which can